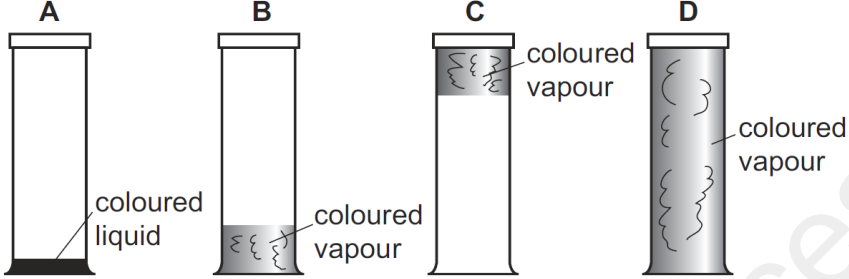
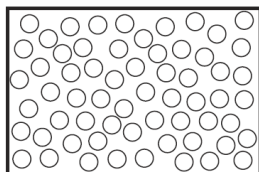


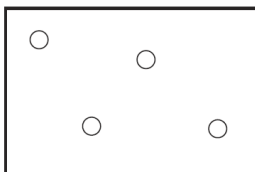
No:	PROPERTIES OF SOLIDS LIQUIDS AND GASES-SET-1
1	<p>A coloured liquid vaporises easily at room temperature. Some of the liquid is placed at the bottom of a sealed gas jar.</p> <p>Which diagram shows the appearance of the jar after several hours?</p>  <p>The diagrams illustrate the process of evaporation in a sealed jar. Diagram A shows a jar with a small amount of coloured liquid at the bottom. Diagram B shows the jar with the liquid and a small amount of coloured vapour above it. Diagram C shows the jar with the liquid and a larger amount of coloured vapour. Diagram D shows the jar with the liquid and the jar filled with coloured vapour.</p>
2	<p>In which of the following are the particles arranged in a regular pattern?</p> <p>A a gas</p> <p>B a liquid</p> <p>C a metal</p> <p>D a solution</p>
3	<p>At room temperature, in which substance are the particles furthest apart?</p> <p>A H₂ B H₂O C Mg D MgO</p>

4

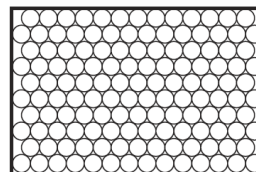
The diagrams show the arrangement of particles in three different physical states of substance X.



state 1



state 2



state 3

Which statement about the physical states of substance X is correct?

- A** Particles in state 1 vibrate about fixed positions.
- B** State 1 changes to state 2 by diffusion.
- C** State 2 changes directly to state 3 by condensation.
- D** The substance in stage 3 has a fixed volume.

5

Some students are asked to describe differences between gases and liquids.

Three of their suggestions are:

1	gas molecules are further apart;
2	gas molecules are smaller;
3	liquid molecules vibrate around fixed positions.

Which suggestions are correct?

- A** 1 only
- B** 2 only
- C** 3 only
- D** 1, 2 and 3